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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/554,323	07/13/2006	Ian George Griffiths	GB920030030US1	4569
32329 IBM CORPOR	7590 02/20/2008 ATION		EXAMINER	
INTELLECTUAL PROPERTY LAW			BROPHY, MATTHEW J	
11400 BURNE AUSTIN, TX 7	-		ART UNIT	PAPER NUMBER
ŕ			2191	
			MAIL DATE	DELIVERY MODE
			02/20/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

r		mN
,	Application No.	Applicant(s)
Office Action Cummen.	10/554,323	GRIFFITHS ET AL.
Office Action Summary	Examiner	Art Unit
	MATTHEW J. BROPHY	2191
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the c	orrespondence address
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period of Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tinwill apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).
Status	·	•
1) Responsive to communication(s) filed on 24 O	october 2005.	
	action is non-final.	
3) Since this application is in condition for allowa	nce except for formal matters, pro	osecution as to the merits is
closed in accordance with the practice under E	Ex parte Quayle, 1935 C.D. 11, 45	53 O.G. 213.
Disposition of Claims ,	•	
4) Claim(s) 1-20 is/are pending in the application	· ·	
4a) Of the above claim(s) is/are withdraw	wn from consideration.	
5) Claim(s) is/are allowed.		
6)⊠ Claim(s) <u>1-20</u> is/are rejected.	· .	•
7) Claim(s) is/are objected to.	· · · · · · · · · · · · · · · · · · ·	
8) Claim(s) are subject to restriction and/o	or election requirement.	
Application Papers		
9)☐ The specification is objected to by the Examine	er.	
10)⊠ The drawing(s) filed on 24 October 2005 is/are	: a)⊠ accepted or b)⊟ objected	to by the Examiner.
Applicant may not request that any objection to the	• • • • • • • • • • • • • • • • • • • •	
Replacement drawing sheet(s) including the correct		
11) The oath or declaration is objected to by the Ex	xaminer. Note the attached Office	e Action or form PTO-152.
Priority under 35 U.S.C. § 119		·
12)⊠ Acknowledgment is made of a claim for foreign a)⊠ All b)□ Some * c)□ None of:	n priority under 35 U.S.C. § 119(a)-(d) or (f).
1. ☑ Certified copies of the priority document	ts have been received.	
2. Certified copies of the priority document		ion No
3. Copies of the certified copies of the prio	rity documents have been receiv	ed in this National Stage
application from the International Burea	u (PCT Rule 17.2(a)).	
* See the attached detailed Office action for a list	of the certified copies not receive	ed.
		·
Attachment(s)		
1) Notice of References Cited (PTO-892)	4) Interview Summary Paper No(s)/Mail D	
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08)	5) Notice of Informal I	
Paper No(s)/Mail Date <u>10/24/2005</u> .	6) Other:	

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DETAILED ACTION

Claim Rejections - 35 USC § 101

1. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

2. Claim 13, and 16-20 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter. The "computer program product" of these claims is interpreted to be directed to Compute Software *per se*. Computer Software *per se* is considered functional descriptive material and therefore non-statutory when not claimed in combination with sufficient structure to render the claim statutory. Please see MPEP §2106.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 4. Claim 1-20 are rejected under 35 U.S.C. 102(b) as being anticipated by US Patent 5,966,702 Fresko et al. hereinafter Fresko.

Regarding Claim 1, Fresko teaches: A data processing method for creating an executable file by combining a plurality of run units, the method comprising the steps

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of:reading a first run unit to be added to the executable file (Column 9, Lines 15-17, "The method begins in step 400 with a set of arbitrary class files "S" (typically part of one application). In step 401, the pre-processor reads and parses each class in "S.""); locating a first data entity set to a first string value in the first run unit (Column 9, Lines 17-21, "In step 402, the pre-processor examines the constant pool tables of each class to determine the set of class file constants (such as strings and numerics, as well as others specific to the class file format) that can be shared between classes in "S.""); matching the first data entity with a second data entity set to a second string value, the second data entity being from a second run unit previously added to the executable file (Column 9, Lines 21-23, "A shared constant pool table is created in step 403, with all duplicate constants determined from step 402."); and adding the first run unit to the executable file but without the first data entity (Column 9, Lines 23-35, "In step 404, the pre-processor removes the duplicate, shared constants from the individual constant pool tables of each class.").

Regarding Claim 7, Fresko teaches: A data processing apparatus for creating an executable file by combining a plurality of run units, the apparatus comprising: means for reading a first run unit to be added to the executable file (Column 9, Lines 15-17, "The method begins in step 400 with a set of arbitrary class files "S" (typically part of one application). In step 401, the pre-processor reads and parses each class in "S.""); means for locating a first data entity set to a first string value in the first run unit (Column 9, Lines 17-21, "In step 402, the pre-processor examines the

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constant pool tables of each class to determine the set of class file constants (such as strings and numerics, as well as others specific to the class file format) that can be shared between classes in "S.""); means for matching the first data entity with a second data entity set to a second string value, the second data entity being from a second run unit previously added to the executable file (Column 9, Lines 21-23, "A shared constant pool table is created in step 403, with all duplicate constants determined from step 402."); and means for adding the first run unit to the executable file but without the first data entity (Column 9, Lines 23-35, "In step 404, the pre-processor removes the duplicate, shared constants from the individual constant pool tables of each class.").

Regarding Claim 13, Fresko teaches: A computer program product comprising instructions which, when executed on a data processing host, cause the data processing host to carry out a method for creating an executable file by combining a plurality of run units, the method comprising the steps of: reading a first run unit to be added to the executable file (Column 9, Lines 15-17, "The method begins in step 400 with a set of arbitrary class files "S" (typically part of one application). In step 401, the pre-processor reads and parses each class in "S.""), locating a first data entity set to a first string value in the first run unit (Column 9, Lines 17-21, "In step 402, the pre-processor examines the constant pool tables of each class to determine the set of class file constants (such as strings and numerics, as well as others specific to the class file format) that can be shared between classes in "S.""); matching the first data entity with a second data entity set to a second string

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value, the second data entity being from a second run unit previously added to the executable file (Column 9, Lines 21-23, "A shared constant pool table is created in step 403, with all duplicate constants determined from step 402."); and adding the first run unit to the executable file but without the first data entity (Column 9, Lines 23-35, "In step 404, the pre-processor removes the duplicate, shared constants from the individual constant pool tables of each class.").

Regarding Claims 2, 8 and 16, Fresko further teaches: wherein the step of matching matches the first data entity with the second data entity if the first string value and second string value are identical (Column 9, Lines 21-23, "A shared constant pool table is created in step 403, with all duplicate constants determined from step 402.").

Regarind Claims 3, 9 and 17, Fresko further teaches: wherein the step of matching matches the first data entity with the second data entity if the second string value contains the first string value (Column 9, Lines 21-23, "A shared constant pool table is created in step 403, with all duplicate constants determined from step 402.").

Regarding Claim 4, 10 and 18 Fresko further teaches: further comprising the steps: reading a third run unit to be added to the executable file, wherein the third run unit contains a third data entity of a third string value (Column 9, Lines 21-23, "A shared constant pool table is created in step 403, with all duplicate constants determined from step 402."); matching the first data entity with the third data entity wherein a match is found if the third string value contains the first string value (Column

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9, Lines 21-23, "A shared constant pool table is created in step 403, with all duplicate constants determined from step 402."); removing the first data entity from the executable file (Column 9, Lines 23-35, "In step 404, the pre-processor removes the duplicate, shared constants from the individual constant pool tables of each class.").; and adding the third data entity to the executable file (Column 9, Lines 23-35, "In step 404, the pre-processor removes the duplicate, shared constants from the individual constant pool tables of each class.").

Regarding Claims 5, 11 and 19, Fresko further teaches: wherein the step of locating a first data entity comprises the steps of: locating two or more data entities in the first run unit (Column 9, Lines 17-21, "In step 402, the pre-processor examines the constant pool tables of each class to determine the set of class file constants (such as strings and numerics, as well as others specific to the class file format) that can be shared between classes in "S.""); and creating the first data entity from the two or more date entities (Column 9, Lines 21-23, "A shared constant pool table is created in step 403, with all duplicate constants determined from step 402.").

Regarding Claims 6, 12 and 20, Fresko further teaches: wherein the step of locating a data entity locates data entities using a key value by which the data entity is marked (Column 9, Lines 55-57, "In one embodiment of the invention, a new constant type is defined with a corresponding constant type tag. The new constant type provides as its info[] element an index into the shared constant table.")

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Regarding Claims 14 and 15, Fresko further teaches: wherein the step of locating two or more data entities locates two or more data entities using a key value by which each of the two or more data entities is marked (Column 9, Lines 55-57, "In one embodiment of the invention, a new constant type is defined with a corresponding constant type tag. The new constant type provides as its info[] element an index into the shared constant table.").

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MATTHEW J. BROPHY whose telephone number is .

The examiner can normally be reached on Monday-Thursday 8:00AM-5:00 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wei Zhen can be reached on (571) 272-3708. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the

MJB

2/11/2008

WEI ZHEN

TERVISORY PATENT EXAMINER